

|     |    |   |   |    |     |                  |
|-----|----|---|---|----|-----|------------------|
| S7  | 1  | "4504958".PN.   | USPAT                                       | OR | OFF | 2004/08/30 11:22 |
| S8  | 1  | "4545060".PN.   | USPAT                                       | OR | OFF | 2004/08/30 11:22 |
| S9  | 1  | "4597088".PN.   | USPAT                                       | OR | OFF | 2004/08/30 11:22 |
| S10 | 1  | "5606464".PN.   | USPAT                                       | OR | OFF | 2004/08/30 11:22 |
| S11 | 1  | "5692011".PN.   | USPAT                                       | OR | OFF | 2004/08/30 11:23 |
| S12 | 1  | "5748674".PN.   | USPAT                                       | OR | OFF | 2004/08/30 11:23 |
| S13 | 1  | birru-dagnachew.in. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/21 08:54 |
| S14 | 0  | (phillips adj2 electronic\$.as.) and (second adj2 (dfe or decision adj2 feedback adj2 equalizer))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:14 |
| S15 | 25 | 375/233.ccls. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:14 |
| S16 | 19 | (375/233.ccls. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer)) ) and delay   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/23 13:47 |
| S17 | 2  | (375/233.ccls. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer)) ) and ((free or mitigat\$3 or decrease or minimiz\$5) adj2 delay)                         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/23 13:51 |
| S18 | 2  | (375/233.ccls. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer)) ) and ((free or mitigat\$3 or decrease or minimiz\$5) adj2 delay\$3)                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/23 13:56 |
| S19 | 1  | ((375/233.ccls. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer)) ) and ((free or mitigat\$3 or decrease or minimiz\$5) adj2 delay\$3)) and @ad<"20010529" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/23 13:55 |
| S20 | 4  | 375/233.ccls. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer)) with delay\$3  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/23 13:55 |
| S21 | 2  | (375/233.ccls. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer)) with delay\$3) and @ad<"20010529"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2004/08/23 13:54 |

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|-----|----|--|---|----|-----|------------------|
| S80 | 2  | "5119401".pn. and delay  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/21 11:07 |
| S81 | 0  | "5119401".pn. and (feed adj2<br>back)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/21 11:07 |
| S82 | 2  | "5119401".pn. and (feedback)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/21 11:07 |
| S83 | 3  | (dfe or (feedback adj2 equaliz\$3))<br>same (implementation adj2 delay)                  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/26 07:07 |
| S84 | 5  | birru-dagnachew.in. and ((multiple<br>or two or second) adj2<br>(feedback))              | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:49 |
| S85 | 2  | S84 and delay  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:10 |
| S86 | 1  | S85 and @ad<"20010529"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:48 |
| S87 | 0  | (phillips adj2 electronic\$.as.) and<br>((multiple or two or second) adj2<br>(feedback)) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:14 |
| S88 | 26 | 375/233.ccls. and (second adj2<br>(dfe or decision adj2 feedback<br>adj2 equalizer))     | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:47 |
| S89 | 1  | "5119401".pn. and adder  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:32 |
| S90 | 1  | "5748674".pn. and tap\$1   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:32 |
| S91 | 7  | S88 and ((second or multiple or<br>two) adj2 adder\$1)                                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:42 |

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|----------|-----|---|---|----|-----|------------------|
| S92      | 4   | S91 and @ad<"20010529"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:42 |
| S93      | 9   | (second adj2 (dfe or decision adj2<br>feedback adj2 equalizer)) same<br>adder\$1  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:52 |
| S94      | 6   | S93 and @ad<"20010529"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:49 |
| S95      | 76  | 375/233.ccls. and ((multiple or<br>two or second) adj2 (feedback))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:49 |
| S96      | 16  | 375/233.ccls. and ((multiple or<br>two or second) adj2 (feedback))<br>same adder\$1                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:51 |
| S97      | 11  | S96 and @ad<"20010529"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:52 |
| S98      | 1   | 375/233.ccls. and ((multiple or<br>two or second) adj2 (feedback))<br>same ((multiple or two or second)<br>adj2 adder\$1) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:51 |
| S99      | 127 | ((multiple or two or second) adj2<br>(feedback)) same ((multiple or<br>two or second) adj2 adder\$1)                      | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 10:10 |
| S10<br>0 | 103 | S99 and @ad<"20010529"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:54 |
| S10<br>1 | 2   | S100 and ((dfe) or decision adj2<br>feedback adj2 equalizer)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 10:12 |
| S10<br>2 | 31  | ((dfe) or decision adj2 feedback<br>adj2 equalizer) same ((multiple or<br>two or second) adj2 adder\$1)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 09:54 |
| S10<br>3 | 22  | S102 and @ad<"20010529"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 10:11 |

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|----------|----|---|---|----|-----|------------------|
| S10<br>4 | 4  | S103 and ((multiple or two or second) adj2 (feedback))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 10:10 |
| S10<br>5 | 0  | S103 and ((multiple or two or second) adj2 (feedback adj2 loop\$1))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 10:10 |
| S10<br>6 | 5  | 375/233.ccls. and ((multiple or two or second) adj2 (feedback adj2 loop\$1))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 10:11 |
| S10<br>7 | 1  | S106 and ((multiple or two or second) adj2 adder\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 10:10 |
| S10<br>8 | 1  | 375/233.ccls. and ((multiple or two or second) adj2 (feedback adj2 loop\$1)) same ((multiple or two or second) adj2 adder\$1) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 10:11 |
| S10<br>9 | 33 | ((multiple or two or second) adj2 (feedback adj2 loop\$1)) same ((multiple or two or second) adj2 adder\$1)                   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 13:54 |
| S11<br>0 | 23 | S109 and @ad<"20010529"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/28 07:04 |
| S11<br>1 | 0  | S110 and ((dfe) or decision adj2 feedback adj2 equalizer)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 10:12 |
| S11<br>2 | 0  | S110 and ((dfe) or (decision adj2 feedback adj2 equalizer))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 10:13 |
| S11<br>3 | 31 | ((dfe) or (decision adj2 feedback adj2 equalizer)) same ((second or multiple or two) adj2 adder\$1)                           | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 11:09 |
| S11<br>4 | 22 | S113 and @ad<"20010529"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 11:09 |
| S11<br>5 | 4  | S114 and (feedback adj2 loop\$1)  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 11:08 |

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|----------|----|---|---|----|-----|------------------|
| S11<br>6 | 47 | ((feedback adj2 loop\$1) with adder) and ((second adj2 feedback adj2 loop\$1) with adder)         | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 11:08 |
| S11<br>7 | 12 | S116 and ((dfe) or (decision adj2 feedback adj2 equalizer))                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 13:54 |
| S11<br>8 | 8  | S117 and @ad<"20010529"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 11:09 |
| S11<br>9 | 38 | ((dfe) or (decision adj2 feedback adj2 equalizer)) same ((multiple or two or second) adj2 add\$3) | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 13:54 |
| S12<br>0 | 2  | S119 and ((multiple or two or second) adj2 (feedback adj2 loop\$1))                               | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 13:55 |
| S12<br>1 | 1  | S120 and @ad<"20010529"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 14:25 |
| S12<br>2 | 28 | S119 and @ad<"20010529"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 14:26 |
| S12<br>3 | 6  | (second adj2 adder\$3) with (first adj2 feedback adj2 loop)                                       | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 14:26 |
| S12<br>4 | 2  | S123 and @ad<"20010529"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 14:33 |
| S12<br>5 | 0  | "5748674".pn. and (first adj2 (coefficient\$1 or tap\$1))   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR | OFF | 2005/04/27 14:34 |

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp       |
|-------|------|---|---|------------------|---------|------------------|
| L1    | 4    | 375/222.ccls. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/04/28 07:06 |
| L2    | 0    | 1 and (second adj2 adder)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/04/28 07:04 |
| L3    | 10   | 708/323.ccls. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/04/28 07:04 |
| L4    | 3    | 3 and (second adj2 adder)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/04/28 07:07 |
| L5    | 3    | 4 and @ad<"20010529"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/04/28 07:04 |
| L6    | 2    | 348/614.ccls. and (second adj2 (dfe or decision adj2 feedback adj2 equalizer))  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/04/28 07:06 |
| L7    | 0    | 6 and (second adj2 adder)   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2005/04/28 07:07 |
| S1    | 0    | ((375/348.ccls. and (implementation adj2 delay\$3)) and (second adj2 ((dfe) or decision adj2 feedback adj2 equalizer)) ) and @ad<"20010529" | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2004/08/30 11:03 |
| S2    | 95   | 375/348.ccls. and ((dfe) or (decision adj2 feedback adj2 equalizer)) and @ad<"20010529"   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2004/08/30 11:03 |
| S3    | 864  | "375"/.ccls. and ((dfe) or (decision adj2 feedback adj2 equalizer)) and @ad<"20010529"  | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2004/08/30 11:04 |
| S4    | 2    | (fast adj2 logic) and dfe   | US-PGPUB;<br>USPAT;<br>EPO; JPO;<br>DERWENT | OR               | OFF     | 2004/08/30 11:20 |
| S5    | 1    | "4146840".PN.   | USPAT                                       | OR               | OFF     | 2004/08/30 11:21 |
| S6    | 1    | "4170758".PN.   | USPAT                                       | OR               | OFF     | 2004/08/30 11:21 |